

ABSTRACT

A balloon catheter in which a high-frequency current is supplied between electrodes spaced in a balloon, the liquid in 5 the balloon is heated, and the heat conducted through the balloon ablates the organism tissue in contact with the balloon, characterized in that the area of the surface of each electrode is 20 mm² or more or a potential detecting electrode for detecting the potential at an abrasion portion is disposed outside the 10 balloon and in a position at least before or behind the balloon.